

<b>REPORT OF CHANNEL CONDITIONS</b> <b>100 TO 400 FEET WIDE</b> <i>(ER 1130-2-306)</i>					<b>PAGE</b> <b>1</b> <b>OF</b> <b>1</b>		
					<b>DATE:</b> 16 January 2007		
<b>TO:</b> The Record				<b>FROM:</b> U.S. Army Corps of Engineers  26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
<b>RIVER/HARBOR NAME AND STATE:</b> Shrewsbury River, New Jersey					<b>MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD</b>		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER <i>(feet)</i>	MIDDLE HALF <i>(feet)</i>	RIGHT OUTSIDE QUARTER <i>(feet)</i>
		WIDTH <i>(feet)</i>	LENGTH <i>(nmiles)</i>	DEPTH <i>(feet)</i>			
<b>Reach C: (Partial):</b> Section surveyed begins 700 ft landward from RED NUN #28 in the South Branch ends at RED NUN #38 EBB TIDE.	Map 409 Pgs 9, 10, 11, 12 of 15; 23 Aug, 7 Sep 2006	150	3.73	9	6.7	7.7	8.5
<b>Reach D:</b> Begins at RED NUN #38 EBB TIDE ends at GREEN CAN #39 EBB TIDE	Map 409 Pgs 12, 13 of 15; 23 Aug, 7 Sep 2006	150	0.52	9	7.3	8.4	5.7
<b>Reach E:</b> To Pleasure Bay Bridge: Starts at GREEN CAN #39 EBB TIDE ends at Pleasure Bay Bridge.	Map 409 Pgs 13, 14 of 15; 23 Aug, 7 Sep 2006	150	0.68	9	6.4	6.8	6.3
<b>Reach F:</b> From Pleasure Bay Bridge, to 200 ft east of the upstream limit of the project at Branchport Ave.	Map 409 Pgs 14, 15 of 15; 23 Aug, 7 Sep 2006	150	0.76	9	6.5	6.8	5.5
<b>Reach H:</b> Starts at Oceanic Bridge, ends at the upstream limit of North Branch in Red Bank	Map 409 Pgs 2, 3, 4, 5, 6, 7, 8 of 15; 23 Aug, 7 Sep 2006	150	3.32	6	4.2	4.1	3.9
<b>REMARKS:</b> <ul style="list-style-type: none"> <li>• All depths in MLW.</li> <li>• Channel length is in nautical miles.</li> <li>○ <b>Reach C, (partial):</b> Spot shoal 200 ft long 40 ft wide in the middle of the channel begins 700 ft landward from RED NUN #28. 1,200 ft long shoal in the left outside quarter begins 800 ft seaward from RED NUN #30, gradually extends over into the right outside quarter then narrows. Reoccurring stripes of shoaling, 30 ft or less wide on both edges of the channel on an approx. 3,000 ft length beginning at GREEN CAN #31 ending in the vicinity of GREEN CAN #35.</li> <li>○ <b>Reach D:</b> Shoaling covers the entire length and width of the entire left outside quarter. Shoal with 60 ft maximum width covers 600 ft length of the seaward end of right outside quarter and extends into the middle half and continues in Reach E, right outside quarter.</li> <li>○ <b>Reach E:</b> Shoaling continues from Reach D covers most of the right outside quarter on 2,600 ft length widening up to the middle of the middle half on a 400 ft length in the vicinity of RED NUN #42. This shoal ends near RED NUN #44. In the left outside quarter shoaling begins near RED NUN #42 and gradually extends across the entire channel before reaching the Pleasure Bay Bridge.</li> <li>○ <b>Reach F:</b> Shoaling covers the entire reach. The final 200 ft section of this reach has limited use as a navigation channel therefore not evaluated in this Controlling Depth Report.</li> <li>○ <b>Reach H:</b> In left outside quarter a 20 wide 150 ft long spot shoal begins 120 ft from Oceanic Bridge. Shoaling simultaneously widening in the left and right outside quarters, leaving only an approx. 40 ft wide passage in the middle half near GREEN CAN #23; thence both shoals gradually narrow. Project depth becomes available in the entire channel width on a 2,000 ft length beginning from 50 ft landward of RED NUN #24. The final 250 ft length of the channel is entirely shoaled up.</li> </ul>							
<div style="display: flex; justify-content: space-between;"> <span>ENG FORM 4020-R, Nov 90</span> <span>EDITION OF JUL 59 IS OBSOLETE</span> <span>(Proponent: CECW-OM)</span> </div>							